

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT MD 924 (ROCK SPRING RD.) AND MOORES MILL ROAD IN HARFORD COUNTY, DUE TO THE GEOMETRIC IMPROVEMENTS AT THE INTERSECTION, THE EAST SIDE OF MOORES MILL ROAD WILL BE WIDENED. VIDEO DETECTION CAMERAS WILL BE INSTALLED FOR PRESENCE DETECTION ON ALL LEGS AND SET BACK DETECTION ON MOORES MILL ROAD AND VALE ROAD. MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING MAINLINE EXCLUSIVE/PERMISSIVE LEFT TURN AND SIDE STREET SPLIT PHASING WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET, CONTROLLER, ASSOCIATED HARNESSSES, AND LOOP DETECTOR AMPLIFIERS SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL THE VIDEO DETECTION INTERFACE EQUIPMENT.

PHONE DROP

THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO NOTIFY MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: 410-229-2381

Mr. Michael Pasquarillo
District Utility Engineer
Phone: 410-229-2421

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: 410-229-2361

OFFICE OF TRAFFIC AND SAFETY:

Ms. Corren Johnson
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Chief, Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Chief, Sign Operations
410-787-7670

The Power Company Is:
BG&E CO.
7317 Parkway Dr. South
Hanover, MD
Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

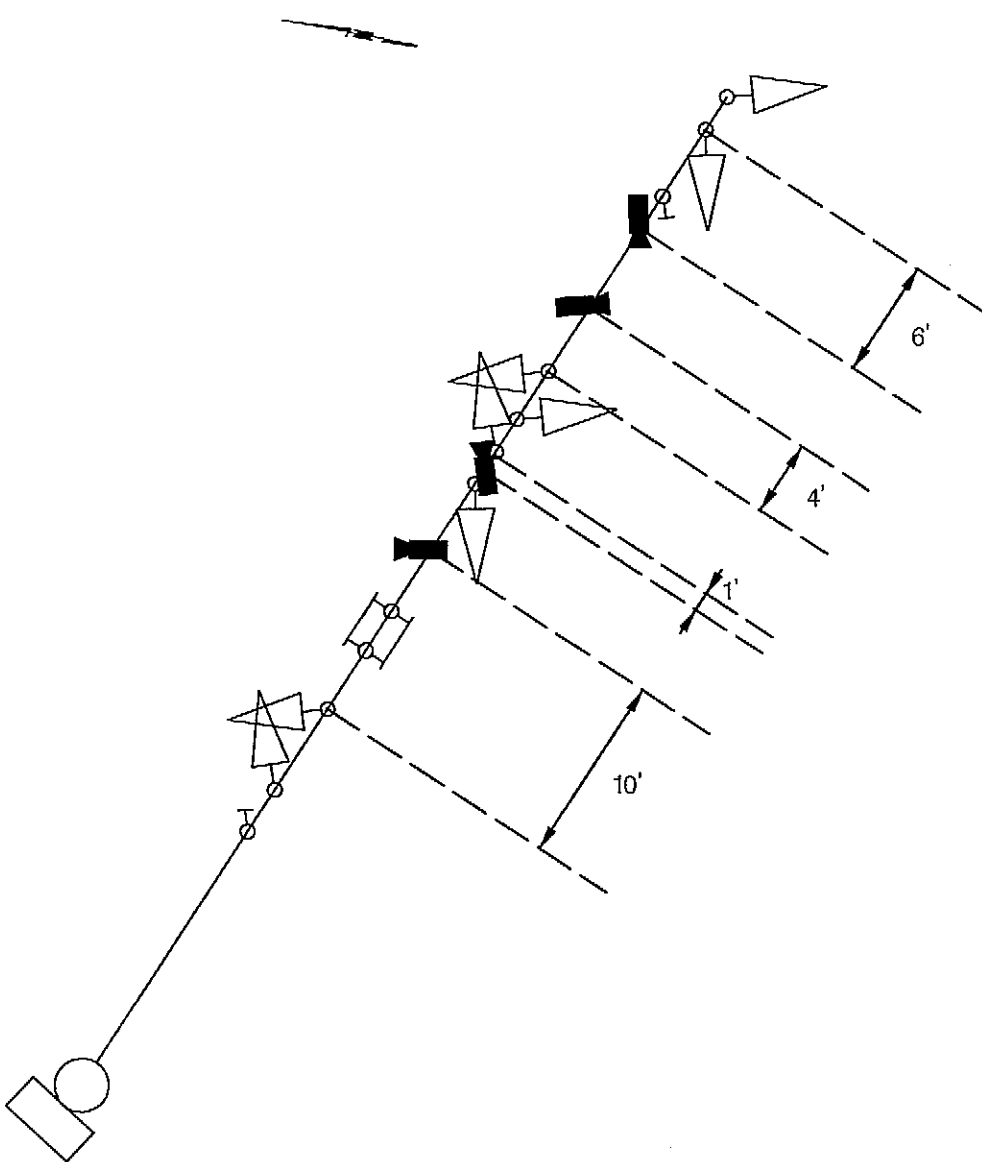
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
585625	120 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	150 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH
802146	1 EA	ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND COVER
811002	3 EA	REMOVE ELECTRICAL HANDHOLE
816002	4 EA	IP-BASED VIDEO DETECTION CAMERA AND ANY LENGTH LEAD-IN CABLE
873002	1 LS	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT

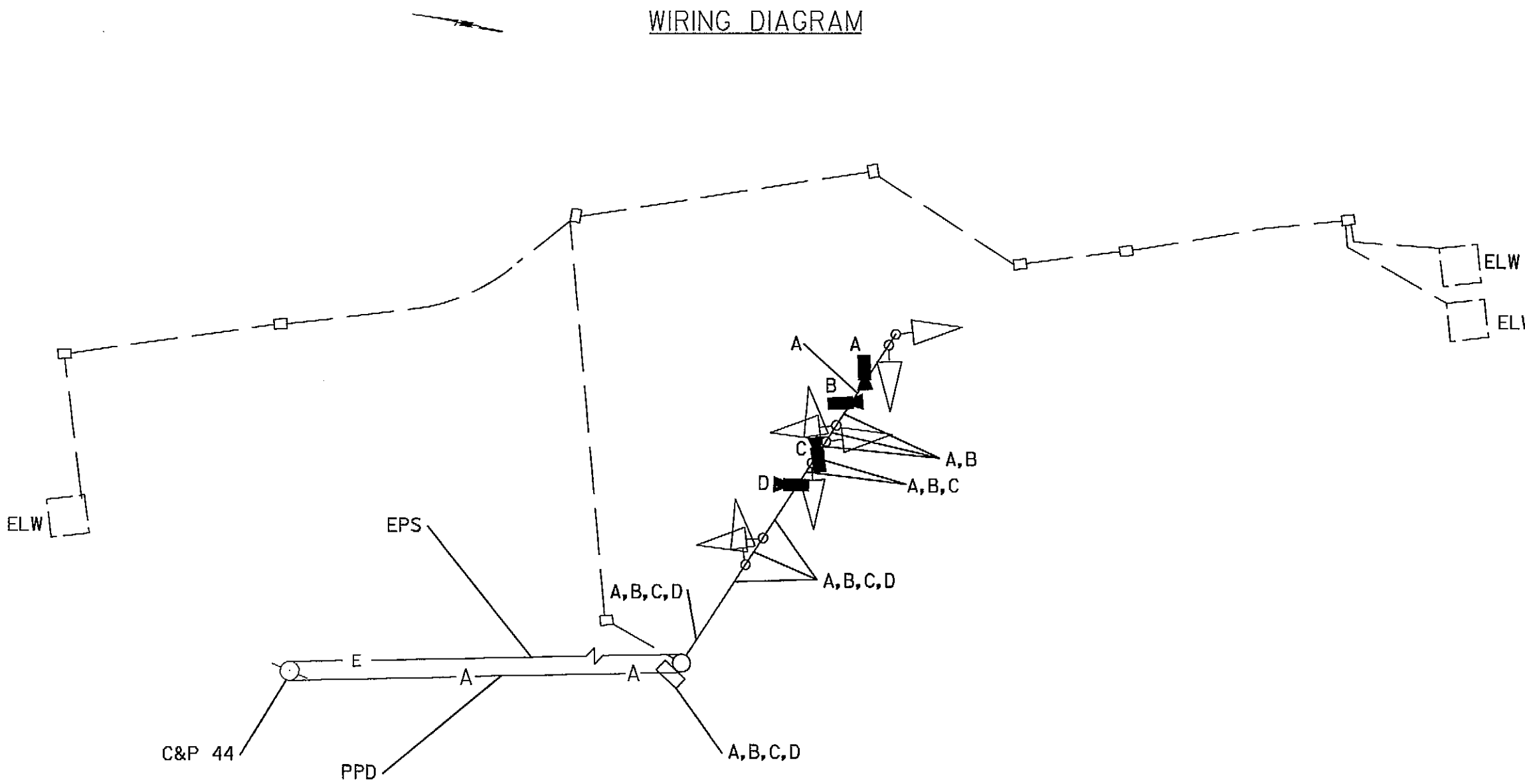
PHASE CHART

	1	2	3	4	5	6	7	8	
PHASE 1 AND 5									
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6									
PHASE 1 AND 6									
PHASE 1 CHANGE									
PHASE 2 AND 5									
PHASE 5 CHANGE									
PHASE 2 AND 6									
PHASE 2 AND 6 CHANGE									
PHASE 3									
PHASE 3 CHANGE									
PHASE 4									
PHASE 4 CHANGE									
FLASHING OPERATION									

PROPOSED VIDEO DETECTION CAMERA LAYOUT
SCALE: 1" = 10'



WIRING DIAGRAM



- A B C D IP-BASED VIDEO DETECTION CABLE
- ELW EXISTING LOOP WIRE
- PPD PROPOSED OVERHEAD PHONE DROP TO BE INSTALLED BY OTHERS
- EPS EXISTING POWER SERVICE

STV Incorporated
engineers / architects / planners / construction managers
7125 Ambassador Road, Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND					
— E —	E	ELECTRIC CABLES	— SD —	SD	STORM DRAIN
— A —	A	AERIAL CABLES	— G —	G	GAS MAIN
— T —	T	TELEPHONE CABLES	— W —	W	WATER MAIN
— F —	F	FIBER-OPTIC	— S —	S	SEWER MAIN

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 924 (ROCK SPRING ROAD)
AND MOORES MILL ROAD/VALE ROAD
BEL AIR, MARYLAND

GENERAL INFORMATION

SCALE NONE DATE OCTOBER 2013 CONTRACT NO. HB45-501-485

DESIGNED BY JKA COUNTY HARFORD
DRAWN BY JKA LOGMILE 12092406.62
CHECKED BY SDY TMS NO. J550
FAP NO. TOD NO.

TS NO. 1901E-GH DRAWING SG-02 OF 02 SHEET NO. 39 OF 80